

PTO/SB/82 (08-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**REVOCATION OF POWER OF  
ATTORNEY and APPOINTMENT OF  
NEW POWER OF ATTORNEY**

Application Number	10/696,709
Filing Date	October 30, 2003
First Named Inventor	Edward W. MERRILL et al.
Art Unit	1711
Examiner Name	D. Truong
Attorney Docket Number	37697-0080

I hereby revoke all previous powers of attorney given in the above-identified application:

☒ A Power of Attorney is submitted herewith:

OR

☒ I hereby appoint the practitioners at Customer Number: **26633**☒ Please change the correspondence address for the above-identified application to:☒ The address associated with Customer Number: **26633**

OR

☐ Firm or  
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 C.F.R. 3.71.  
Statement under 37 C.F.R. 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name

a Representative of The General Hospital Corporation

FRANCES TONEGUZZO, Ph.D.

DIRECTOR

CORPORATE SPONSORED RESEARCH AND LICENSING

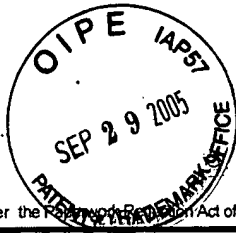
Signature

Date

Telephone

NOTE: Signature of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.



PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Patent and Trademark Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: The General Hospital CorporationApplication No./Patent No.: 10/696,709Filed/Issue Date: October 30, 2003Entitled: Radiation and Melt Treated Ultra High Molecular Weight Polyethylene Prosthetic DevicesThe General Hospital CorporationCorporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 7882, Frame 0596, for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

3/11/05

Date

Frances Toneguzzo

Signature

**FRANCES TONEGUZZO, Ph.D.****DIRECTOR**Typed or printed name  
**CORPORATE SPONSORED RESEARCH AND LICENSING**

Title



*HAG*  
**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 29, 1996

WOLF, GREENFIELD & SACKS  
HELEN GREEN  
FEDERAL RESERVE PLAZA  
600 ATLANTIC AVENUE  
BOSTON, MA 02210

PTAS	
File Folder	<input checked="" type="checkbox"/>
Electronic Code Book	<input checked="" type="checkbox"/>
Docket Entry	<input checked="" type="checkbox"/>
Docket Cross Off	<input checked="" type="checkbox"/>
Order Copies	<input type="checkbox"/>
Annuities	<input type="checkbox"/>
IFD Review	<input type="checkbox"/>



\*100173759A\*

**DOCKETED**  
**JUL 09 1996**

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/13/1996

REEL/FRAME: 7882/0596  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
HARRIS, WILLIAM H.

DOC DATE: 02/09/1996

ASSIGNOR:  
JASTY, MURALI

DOC DATE: 02/12/1996

ASSIGNOR:  
BRADON, CHARLES R.

DOC DATE: 02/09/1996

ASSIGNOR:  
O'CONNOR, DANIEL O.

DOC DATE: 02/12/1996

ASSIGNEE:  
GENERAL HOSPITAL CORPORATION, THE  
FRUIT STREET  
BOSTON, MASSACHUSETTS 02114

SERIAL NUMBER: 08600744  
PATENT NUMBER:

FILING DATE: 02/13/1996  
ISSUE DATE:

7882/0596 PAGE 2

DIANE RUSSELE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

08/600744

M0828/7017

HG

## ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned William H. Harris, Murali Jasty, Charles R. Bragdon, and Daniel O. O'Connor hereby

Sell, assign and transfer to The General Hospital Corporation, a Massachusetts corporation having a place of business at Fruit Street, Boston, Massachusetts 0211439, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent executed of even date herewith and entitled MELT-IRRADIATED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE PROSTHETIC DEVICES, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us, and that full right to convey the same as herein expressed is possessed by us.

Dated: 2/9/96

W Harris  
WILLIAM H. HARRIS

STATE OF Massachusetts:  
COUNTY OF Suffolk:

Subscribed and sworn to before me this 9<sup>th</sup> day of February, 1996.

SEAL

W. H. Harris  
Notary Public  
My Commission Expires January 29, 1993

Dated: 2/12/96

Murali Jasty  
MURALI JASTY

STATE OF Massachusetts:  
COUNTY OF Suffolk:

Subscribed and sworn to before me this 12 day of FEBRUARY, 1996.

SEAL

Richard J. Chevette  
Notary Public  
RICHARD J. CHEVRETTE  
Notary Public  
My Commission Expires July 3, 1998

Dated: 2/9/96

Charles R. Bragdon  
CHARLES R. BRAGDON

STATE OF Massachusetts :  
COUNTY OF Suffolk :

Subscribed and sworn to before me this 9 day of February,  
1996.

SEAL

Kedall P. Watt  
Notary Public  
My Commission Expires January 28, 1999

Dated: 2/12/96

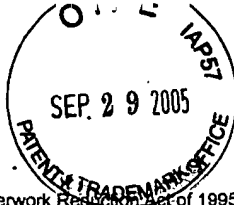
Daniel O'Connor  
DANIEL O. O'CONNOR

STATE OF MASSACHUSETTS :  
COUNTY OF Suffolk :

Subscribed and sworn to before me this 12 day of FEBRUARY,  
1996.

SEAL

Richard J. Chevette  
Notary Public  
RICHARD J. CHEVRETTE  
Notary Public  
My Commission Expires July 3, 1998



PTO/SB/82 (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Application Number	10/696,709
Filing Date	October 30, 2003
First Named Inventor	Edward W. MERRILL et al.
Art Unit	1711
Examiner Name	D. Truong
Attorney Docket Number	37697-0080

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☒ A Power of Attorney is submitted herewith:

OR

☒ I hereby appoint the practitioners at Customer Number: **26633**☒ Please change the correspondence address for the above-identified application to:☒ The address associated with Customer Number: **26633**

OR

☐ Firm or  
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☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 C.F.R. 3.71.  
Statement under 37 C.F.R. 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name

**a Representative of Massachusetts Institute of Technology**

Signature

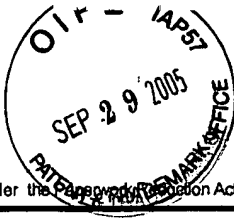
Date

Telephone

NOTE: Signature of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.



**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Massachusetts Institute of TechnologyApplication No./Patent No.: 10/696,709Filed/Issue Date: October 30, 2003Entitled: Radiation and Melt Treated Ultra High Molecular Weight Polyethylene Prosthetic DevicesMassachusetts Institute of TechnologyUniversity

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 7882, Frame 0710, for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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- ☒ Copies of assignments or other documents in the chain of title are attached.

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The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

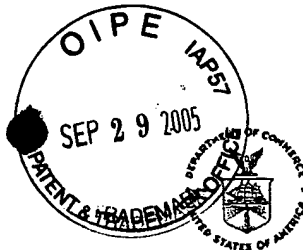
July 22, 2005  
Date

Karin K. Rivard  
Signature

KARIN K. RIVARD

ASSISTANT DIRECTOR AND COUNSEL  
Technology Licensing Office

Title



HAG  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 29, 1996

WOLF, GREENFIELD & SACKS  
HELEN GREER  
FEDERAL RESERVE PLAZA  
600 ATLANTIC AVENUE  
BOSTON, MA 02210

PTAS	INITIAL
File Folder	<input checked="" type="checkbox"/>
Electronic Code Book	<input checked="" type="checkbox"/>
Docket Entry	<input type="checkbox"/>
Docket Cross Off	<input checked="" type="checkbox"/>
Order Copies	<input type="checkbox"/>
Annuities	<input type="checkbox"/>
IFD Review	<input type="checkbox"/>



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RECORDATION DATE: 02/13/1996

REEL/FRAME: 7882/0710  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
MERRILL, EDWARD W.

DOC DATE: 02/09/1996

ASSIGNOR:  
VENUGOPALAN, PREMNATH

DOC DATE: 02/09/1996

ASSIGNEE:  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
77 MASSACHUSETTS AVENUE  
CAMBRIDGE, MASSACHUSETTS 02139

SERIAL NUMBER: 08600744  
PATENT NUMBER:

FILING DATE: 02/13/1996  
ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

08/600744

M0828/7017

HG

## ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned Edward W. Merrill and Premnath Venugopalan hereby

Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent executed of even date herewith and entitled MELT-IRRADIATED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE PROSTHETIC DEVICES, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee.

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee.

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us, and that full right to convey the same as herein expressed is possessed by us.

Dated: 9 Feb 1996

Edward W Merrill  
EDWARD W. MERRILL

STATE OF Massachusetts :  
COUNTY OF Middlesex :

Subscribed and sworn to before me this 9<sup>th</sup> day of February, 1996.

SEAL

Carol A. Phillips  
Notary Public

Dated: 9 Feb 1996

Premnath Venugopalan  
PREMNATH VENUGOPALAN

STATE OF Massachusetts :  
COUNTY OF Middlesex :

Subscribed and sworn to before me this 9<sup>th</sup> day of February, 1996.

SEAL

Carol A. Phillips  
Notary Public